

0010

GENWAL™
RESOURCES, INC.

P.O. Box 1077, Price, Utah 84501 794 North "C" Canyon Rd, East Carbon, Utah 84520
Telephone (435) 888-4000 Fax (435) 888-4002

Utah Division of Oil, Gas & Mining
Utah Coal Program
1594 West North Temple, Suite 1210
P.O. Box 145801
Salt Lake City, Utah 84114-5801

January 29, 2008

Attn: Pamela Grubaugh-Littig
Permit Supervisor

*Incoming
C/015/0032*

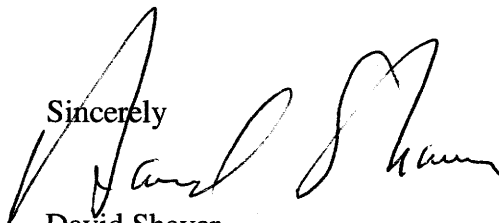
Re: Change to the Mining and Reclamation Plan
Addendum to the Reclamation Plan for the East Mountain Emergency Drillpads
Genwal Resources, Inc., Crandall Canyon Mines, MRP C/015/032
Attachment 12

Dear Ms. Grubaugh-Littig

Enclosed please find seven (7) copies of Attachment 12, which is a computer generated cut/fill representation of the remaining drillpad reclamation. This information should be added to the East Mountain Emergency Drillpad Reclamation Plan. This additional information was requested by Priscilla Burton. C1/C2 forms are included.

If you have any questions or comments regarding this submittal please contact me at 435-888-4017

Sincerely



David Shaver
Agent/Project Engineer

RECEIVED

FEB 04 2008

DIV. OF OIL, GAS & MINING

APPLICATION FOR PERMIT PROCESSINGPermit Change ☐New Permit ☐Renewal ☐Transfer ☐Exploration ☐Bond Release ☐

Permit Number: 015/032

Title of Proposal: Addendum to the Reclamation Plan for the East Mountain
emergency rescue drillpads, Submittal of Attachment 12

Mine: Crandall Canyon Mines

Permittee: GENWAL Resources, Inc.

Description, include reason for application and timing required to implement.

Instructions: If you answer yes to any of the first 8 questions (gray), submit the application to the Salt Lake Office. Otherwise, you may submit it to your reclamation specialist.

- | | | |
|---|--|--|
| <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No | 1. Change in the size of the Permit Area? _____ acres Disturbed Area? _____ acres <input type="checkbox"/> increase <input type="checkbox"/> decrease. |
| <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No | 2. Is the application submitted as a result of a Division Order? |
| <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No | 3. Does application include operations outside a previously identified Cumulative Hydrologic Impact Area? |
| <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No | 4. Does application include operations in hydrologic basins other than as currently approved? |
| <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No | 5. Does application result from cancellation, reduction or increase of insurance or reclamation bond? |
| <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No | 6. Does the application require or include public notice/publication? |
| <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No | 7. Does the application require or include ownership, control, right-of-entry, or compliance information? |
| <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No | 8. Is proposed activity within 100 feet of a public road or cemetery or 300 feet of an occupied dwelling? |
| <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No | 9. Is the application submitted as a result of a Violation? |
| <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No | 10. Is the application submitted as a result of other laws or regulations or policies? Explain: |
| <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No | 11. Does the application affect the surface landowner or change the post mining land use? |
| <input checked="" type="checkbox"/> Yes | <input checked="" type="checkbox"/> No | 12. Does the application require or include underground design or mine sequence and timing? |
| <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No | 13. Does the application require or include collection and reporting of any baseline information? |
| <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No | 14. Could the application have any effect on wildlife or vegetation outside the current disturbed area? |
| <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No | 15. Does application require or include soil removal, storage or placement? |
| <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No | 16. Does the application require or include vegetation monitoring, removal or revegetation activities? |
| <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No | 17. Does the application require or include construction, modification, or removal of surface facilities? |
| <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No | 18. Does the application require or include water monitoring, sediment or drainage control measures? |
| <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No | 19. Does the application require or include certified designs, maps, or calculations? |
| <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No | 20. Does the application require or include subsidence control or monitoring? |
| <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No | 21. Have reclamation costs for bonding been provided for? |
| <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No | 22. Does application involve a perennial stream, a stream buffer zone or discharges to a stream? |
| <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No | 23. Does the application affect permits issued by other agencies or permits issued to other entities? |

☐ Attach 3 complete copies of the application.

I hereby certify that I am a responsible official of the applicant and that the information contained in this application is true and correct to the best of my information and belief in all respects with the laws of Utah in reference to commitments, undertakings, and obligations, herein. (R645-301-123)

Signed - Name - Position - Date _____

Subscribed and sworn to before me this ____ day of _____, ____.

Notary Public

My Commission Expires: _____
Attest: STATE OF _____
COUNTY OF _____

) ss:

Received by Oil, Gas & Mining

FEB 04 2008

DIV. OF OIL, GAS & MINING

ASSIGNED TRACKING NUMBER

Application for Permit Processing

Detailed Schedule of Changes to the MRP

Title of Application: Addendum to the Reclamation Plan for the East Mountain

Permit Number: 015/032

emergency rescue drillpads, Submittal of Attachment 12

Mine: CRANDALL CANYON MINES

computer generated cut/fill representation requested by Priscilla Burton

Permittee: GENWAL RESOURCES

Provide a detailed listing of all changes to the mining and reclamation plan which will be required as a result of this proposed permit application. Individually list all maps and drawings which are to be added, replaced, or removed from the plan. Include changes of the table of contents, section of the plan, pages, or other information as needed to specifically locate, identify and revise the existing mining and reclamation plan. Include page, section and drawing numbers as part of the description.

			DESCRIPTION OF MAP, TEXT, OR MATERIALS TO BE CHANGED
<input checked="" type="checkbox"/> ADD	<input type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	Add the following items to the
<input type="checkbox"/> ADD	<input type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	addendum to the mining and
<input type="checkbox"/> ADD	<input type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	Reclamation Plan for the East
<input type="checkbox"/> ADD	<input type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	Mountain Emergency Drillpads
<input type="checkbox"/> ADD	<input type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	and Access Roads, submitted
<input type="checkbox"/> ADD	<input type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	Dec 21, 2007 :
<input type="checkbox"/> ADD	<input type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	
<input checked="" type="checkbox"/> ADD	<input type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	Appendix S-22(A) Contents page
<input checked="" type="checkbox"/> ADD	<input type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	page 12
<input checked="" type="checkbox"/> ADD	<input type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	Attachment 12
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Any other specific or special instructions required for insertion of this proposal into the Mining and Reclamation Plan?

FEB 04 2008

K. J. HARRIS

REPLACEMENT PAGES
FOR
APPENDIX 5-22(A)

APPENDIX 5-22(A)
CONTENTS

HISTORICAL OVERVIEW.....Page 1

RECLAMATION COMPLETED AS OF DECEMBER 10, 2007.....Page 4

RECLAMATION REMAINING TO BE COMPLETED AS OF DECEMBER 10, 2007.....Page 8

ATTACHMENTS

- 1) General Location Map (provided by Forest Service)
- 2) Vicinity Photo/Map (provided by SITLA)
- 3) Drill Hole Map (provided by Forest Service)
- 4) Drillsite Aerial Photo (Olympus Aerial Survey)
- 5) Drillsite Contour Map (Olympus Aerial Survey)
- 6) Inter-agency Reclamation Plan Memo (Priscilla Burton, DOGM)
- 7) Interim and Final Seed Mix
- 8) Wood Straw Information (Forest Concepts, LLC)
- 9) SITLA Memo Regarding Road Status
- 10) Reclamation Cost Estimates (Scamp Excavation)
- 11) Digital Photos (courtesy of Priscilla Burton)
- 12) Computer Generated Cut/Fill Representation of Remaining Drillpad Reclamation

Genwal also commits to doing annual surveys of the reclaimed site to control and eradicate all noxious weeds as identified by the agencies.

7) Reclamation Cost Estimates

Scamp Excavation has prepared estimates of the cost to reclaim the remaining disturbed areas as follows (see Attachment 11 for details):

1) Pads and access road	33,800 yd3**\$240,000
2) Forest Service road	7600 yd3\$38,000
3) SITLA road	17,632 yds3\$88,000

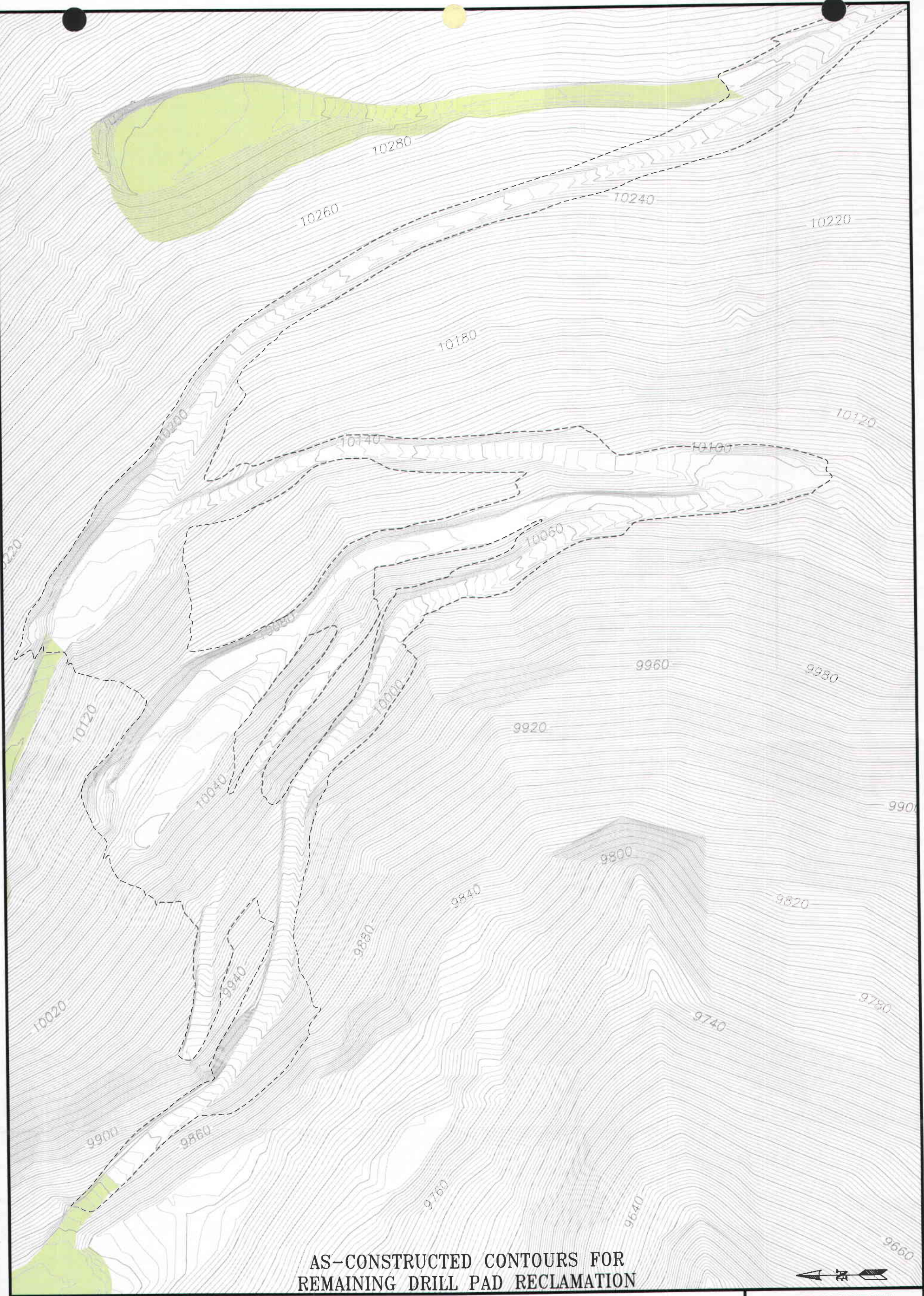
It should be noted that these cost estimates have been generated by Scamp Excavation based on their history of experience, and in particular on their first hand knowledge of the details of the work involved to complete the reclamation. This knowledge is well founded since it was Scamp who did the initial work to construct the drillpads and roads during the emergency rescue attempt, and who have done the subsequent reclamation completed to date. Therefore their estimate actually starts more with a total cost and a rougher idea of the total volume and unit costs involved. Therefore the estimates are to some extent "back-calculated", with the total estimated costs (backed up by rough volume estimates from field observation) driving the unit costs, rather than vice versa.

Prior to beginning the reclamation work, Genwal Resources obtained digital mapping of the drillpads (with 2' contour accuracy) based on aerial surveys. Using this contour mapping as a base, and projecting imaginary "as-reclaimed" contours (attempting to replicate the approximate original contours), earthwork volumes were then generated by computer. The results of the computer simulation agreed closely enough with the field volume estimates to validate the projected cost estimates supplied by Scamp Excavation. See Attachment 12 for computer generated cut/fill representation of the remaining drillpad reclamation.

ATTACHMENT 12

COMPUTER GENERATED CUT/FILL REPRESENTATION OF REMAINING DRILLPAD RECLAMATION

G:\Shared\Current Drawings\Mine Maps\Crandall Canyon\Accident Reclamation\Reclaim Contours.dwg, Topo As-Is, 1/28/2008 11:38:35 AM



AS-CONSTRUCTED CONTOURS FOR
REMAINING DRILL PAD RECLAMATION



KEY



DENOTES AREAS PREVIOUSLY
RECLAIMED



EXTENT OF REMAINING
RECLAMATION



EXISTING INDEX CONTOURS



EXISTING INTERMEDIATE CONTOURS

NOTE: CONTOURS IN PREVIOUSLY RECLAIMED AREAS DEPICT CONTOURS PRIOR TO RECLAMATION AND DO NOT REFLECT RECLAIMED CONTOURS.

EAST MOUNTAIN
EMERGENCY DRILL PADS

Crandall Canyon Mines

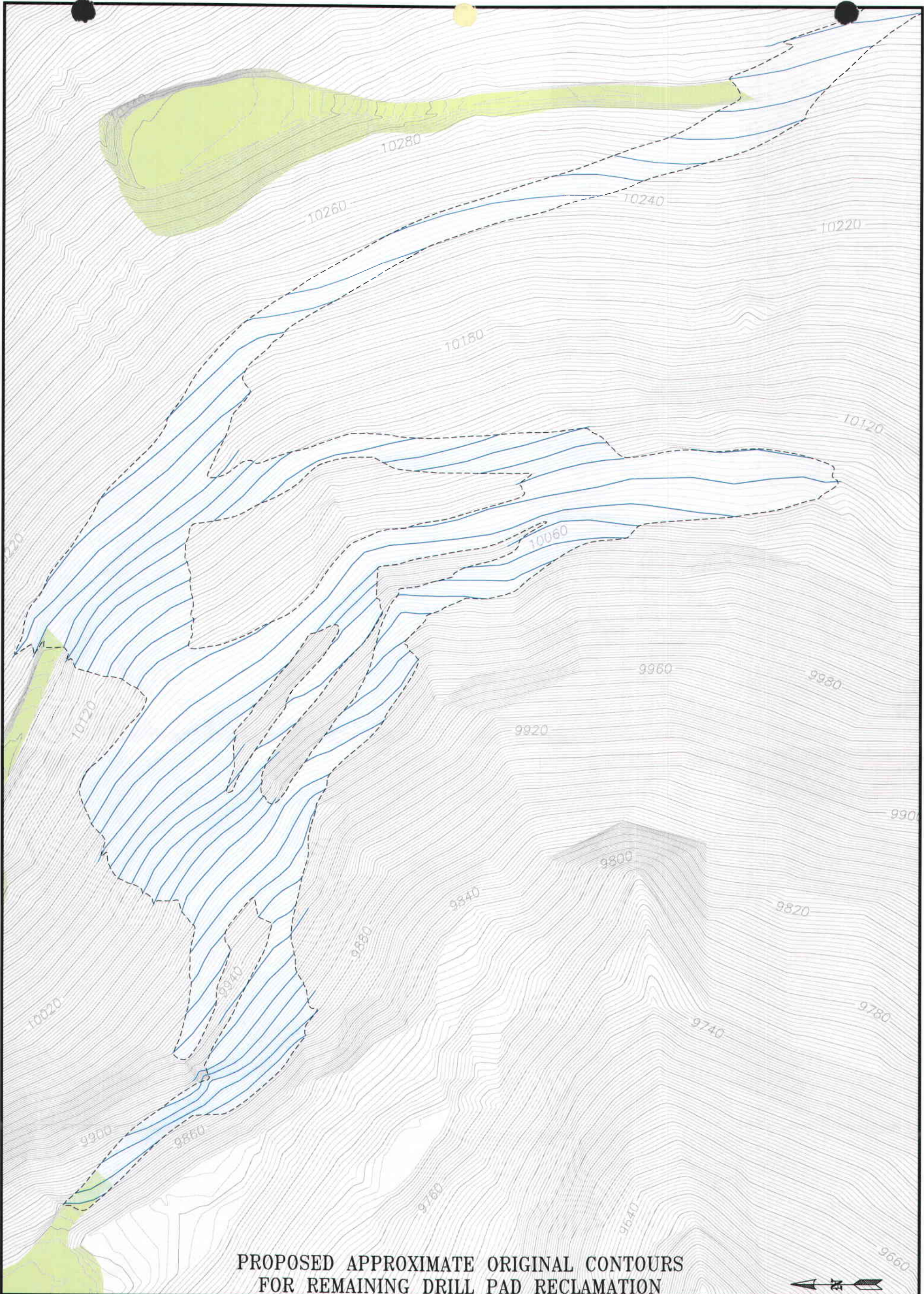
Crandall Canyon
P.O. BOX 1077
PRICE, UTAH

MSHA ID #42-01715

DRAWN BY PJ SCALE 1" = 100'

APPROVED BY DS DATE 28 JAN. 2008

SHEET PLATE #1 of 2



PROPOSED APPROXIMATE ORIGINAL CONTOURS
FOR REMAINING DRILL PAD RECLAMATION

KEY

- | | |
|--|----------------------------------|
| — COMPLETED RECLAMATION INDEX CONTOUR | — EXISTING INDEX CONTOURS |
| — COMPLETED RECLAMATION INTERMEDIATE CONTOUR | — EXISTING INTERMEDIATE CONTOURS |
| | - - - - - EXTENT OF RECLAMATION |

NOTE: CONTOURS IN PREVIOUSLY RECLAIMED AREAS DEPICT CONTOURS PRIOR TO RECLAMATION AND DO NOT REFLECT RECLAIMED CONTOURS.

EAST MOUNTAIN EMERGENCY DRILL PADS			
Crandall Canyon Mines			
Crandall Canyon P.O. BOX 1077 PRICE, UTAH			
MSHA ID #42-01715			
DRAWN BY	PJ	SCALE	1" = 100'
APPROVED BY	DS	DATE	28 JAN. 2008
SHEET			PLATE #2 of 2

Volume Report

01/22/2008 10:30

Comparing GRiD file: G:/Shared/Current Drawings/Mine Maps/Crandall Canyon/Ace
and GRiD file: G:/Shared/Current Drawings/Mine Maps/Crandall Canyon/Ace

Grid corner locations: 2076100.00,411200.00 to 2079000.00,414500.00

Grid resolution X: 145, Y: 165 Grid cell size X: 20.00, Y: 20.00

Area in Cut : 717,135.2 S.F., 16.46 Acres

Area in Fill: 8,852,864.8 S.F., 203.23 Acres

Total inclusion area: 9,570,000.0 S.F., 219.70 Acres

Cut to Fill ratio: 0.18

Average Cut Depth: 0.20 Average Fill Depth: 0.09

Cut (C.Y.) / Area (acres): 24.47

Fill (C.Y.) / Area (acres): 134.87

Cut volume: 145,132.5 C.F., 5,375.28 C.Y.

Fill volume: 800,033.0 C.F., 29,630.85 C.Y.